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Using role components in implement collaboration-based designs- ·washington.edu [PDF]
M VanHilst, D Notkin - ACM SIGPLAN Notices, 1996 - portal.acm.org
... may be seen, then, not so much as collec- tions of **objects**, but as collections of
roles.2 An **object** participates in a **collaboration** by having a **role** in that ...
Cited by 214 - Related articles - Web Search - BL Direct - All 10 versions

Mixin layers: an object-oriented implementation technique for refinements and collaboration-based ...- ·kaist.ac.kr [PDF]
Y Smaragdakis, D Batory - ACM Transactions on Software Engineering and Methodology (..., 2002 - portal.acm.org
... The part of an **object** that enforces the protocol that a **collaboration**
prescribes, is called the **object**'s **role** in the **collaboration**. ...
Cited by 183 - Related articles - Web Search - BL Direct - All 14 versions

Awareness and coordination in shared workspaces- ·tum.de [PDF]
P Dourish, V Bellotti - portal.acm.org
... and presented in the same shared work space as the **object** of **collaboration**. ... Underlying
these mechanisms is a system of configurable **role**-assignment, which ...
Cited by 1352 - Related articles - Web Search - All 25 versions

[PDF] ·Discourse and collaboration: The role of conversations and collective identity
C Hardy, TB Lawrence, D Grant - The Academy of Management Review, 2005 - sfu.ca
... discourse that highlights the **role** of conversations in generating discursive **objects**
that represent ... between collective identity and **collaboration** and discuss ...
Cited by 87 - Related articles - View as HTML - Web Search - All 4 versions

Implementing layered designs with mixin layers- ·psu.edu [PDF]
Y Smaragdakis, D Batory - Lecture Notes in Computer Science, 1998 - Springer
... The part of an **object** enforcing the protocol that a **collaboration** pre-
scribes is called the **object's role** in the **collaboration**. ...
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Object teams: Improving modularity for crosscutting collaborations- ·tu-berlin.de [PDF]
S Herrmann - Lecture notes in computer science, 2003 - Springer
... invokes earnCredit on its BonusItem **role** (by an after ... from the Team instance to the
subscriber **object**. Note that this **collaboration** is partially controlled by ...
Cited by 119 - Related articles - Web Search - BL Direct - All 25 versions

COCA: collaborative objects coordination architecture- ·psu.edu [PDF]
R Muntz - Proceedings of the 1998 ACM conference on Computer supported ..., 1998 - portal.acm.org
... computation, and propose COCA (CoUaborative **Object** Coordination &chitecture ... developers
a du-bm **collaboration** architecture and a ... active rules for each **role** to-d ...
Cited by 106 - Related articles - Web Search - All 8 versions

Role model based framework design and integration- ·psu.edu [PDF]
D Riehle, T Gross - ACM SIGPLAN Notices, 1998 - portal.acm.org
... It focuses on a single purpose of **object collaboration**: a **role** model does not try
to encompass all possible aspects of a given **object** collabora- tion. ...

Composite design patterns- •ubilab.com [PDF]

D Riehle - ... SIGPLAN conference on Object-oriented programming, systems, ..., 1997 - portal.acm.org

... **Role** diagrams in turn are better suited for describing **object collaboration** based
patterns than class diagrams, because they better focus on the actual problem ...

On the representation of roles in **object**-oriented and conceptual modelling- •fernuni-hagen.de [PDF]

F Steimann - Data & Knowledge Engineering, 2000 - Elsevier

... After discussing the major families of **role** conceptualizations, we ... including multiple
and dynamic classification, **object collaboration**, polymorphism, and ...

Policies and roles in collaborative applications- •kfupm.edu.sa [PDF]

WK Edwardsl - portal.acm.org

... of access control rights on data **objects**, and are ... flexibly to the dynamism inherent
in **collaboration**. ... a specification language for describing **roles** and policies ...

Using C++ templates to implement **role**-based designs- •fau.edu [PDF]

M VanHilst, D Notkin - **Object** Technologies for Advanced Software: Second JSSST ..., 1996 - books.google.com

... **Roles** are the elements of a **collaboration**, with each **role** encapsulating the
responsibilities of a single participating class or **object** in a given **collaboration** ...

Evolvable programming based on **collaboration**-field and **role** model- •u-tokyo.ac.jp [PDF]

T Tamai - Proceedings of the International Workshop on Principles of ..., 2002 - portal.acm.org

... and **roles** In our lan- guage, **collaboration** fields ere cal-]ed "contexts". Context
and **role** eve declared with attributes and methods just like **object** classes. ...

Role modelling for agent system analysis, design, andimplementation- •uniln.it [PDF]

EA Kendall - Agent Systems and Applications, 1999 and Third International ..., 1999 - ieeexplore.ieee.org

... subsystems of interacting **objects** that collaborate with each other to achieve goals
or tasks. **Role** models are similar to UML **collaboration** diagrams [35 ...

[PDF] •Agent roles and **role** models: New abstractions for intelligent agent system analysis and design

EA Kendall - International Workshop on Intelligent Agents in Information ..., 1998 - citeseerx.ist.psu.edu

... A **role** model is very similar to a **collaboration** diagram in the software engineering
standard UML (Unified Modelling Language), which captures **object** ...

Using dynamic information for the iterative recovery of collaborations and roles- •unibe.ch [PDF]

T Richner, S Ducasse - ... Maintenance, 2002. Proceedings. International Conference on, 2002 - ieeexplore.ieee.org

... 3]. **Collaboration**-based or **role**-based design decomposes an **object**-oriented applica-
tion into a set of collaborations between classes playing certain **roles**. ...

[BOOK] **Object** design: roles, responsibilities, and collaborations

R Wirfs-Brock, A McKean - 2002 - Pearson Education

... behaviors How to characterize **objects** using **role** stereotypes Allocating
responsibilities to appropriate **objects** Developing a **collaboration** model Strategies ...

A laboratory for teaching object oriented thinking

K Beck, W Cunningham - Conference on Object Oriented Programming Systems Languages ..., 1989 - portal.acm.org
... encourage learners to pick up the card whose **role** they are ... about, making a strong identification with the **objects** while describing their **collaboration**. ...
Cited by 412 - Related articles - Web Search

Using UML collaboration diagrams for static checking and test generation- •kfupm.edu.sa [PDF]

A Abdurazik, J Offutt - Lecture notes in computer science, 2000 - Springer
... consists of ClassifierRoles, AssociationRoles, and Interac- tions [6]. A ClassifierRole defines a **role** to be played by an **Object** within a **collaboration**. ...
Cited by 102 - Related articles - Web Search - BL Direct - All 17 versions

Using UML for modeling complex real-time systems- •uoguelph.ca [PDF]

B Selic, J Rumbaugh - Lecture Notes in Computer Science, 1998 - Springer
... interface. Each port of a capsule plays a particular **role** in a **collaboration** that the capsule has with other **objects**. To capture ...
Cited by 466 - Related articles - Web Search - BL Direct - All 39 versions

Object-oriented collaboration system

A Schaeffer, DR Anderson, JH Palevich, LS ... - US Patent 5,446,842, 1995 - Google Patents
... 29, 1995 [54] **OBJECT**-ORIENTED CALLABORATION SYSTEM [75] Inventors: Arnold Schaeffer, Belmont; David R. Anderson, Cupertino; Jack H. Palevich, Sunnyvale; Larry S ...
Cited by 60 - Related articles - Web Search - All 2 versions

Design patterns application in UML- •ugam.ca [PDF]

G Sunye, A Le Guennec, JM Jézéquel - Proceedings of ECOOP, 2000 - Springer
... the **collaboration**'s goal. As a placeholder, a **role** is similar to a free variable or to a formal parameter of a routine. It will later be bound to an **object** ...
Cited by 68 - Related articles - Web Search - BL Direct - All 12 versions

On analysis of collaborative problem solving: An object-oriented approach

N Avouris, A Dimitracopoulou, V Komis - Computers in Human Behavior, 2003 - Elsevier
... framework, can reveal complementary aspects of the development of **collaboration** and participants' **roles**, while it can be a useful **object** for evaluation of ...
Cited by 60 - Related articles - Web Search - All 6 versions

[CITATION] la daddy: 2-year-olds' collaboration in joint pretend with sibling and with mother

J Dunn, N Dale - Symbolic play: The development of social understanding, 1984 - Academic
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Precise modeling of design patterns- •irisa.fr [PDF]

A Le Guennec, G Sunye, JM Jezequel - Proceedings of UML, 2000 - Springer
... instances in a **collaboration** occurrence, in the limits imposed by the multiplicy of the **role**, and is then represented with a "multi-**object**" box, resembling ...
Cited by 76 - Related articles - Web Search - BL Direct - All 8 versions

Floor control for multimedia conferencing and collaboration- •ucsc.edu [PDF]

HP Dommel, JJ Garcia-Luna-Aceves - Multimedia Systems, 1997 - Springer
... **collaboration** – Distributed applica- tion sharing – CSCW – Middleware for session orchestration – Floor control for shared multimedia **objects** ...
Cited by 123 - Related articles - Web Search - BL Direct - All 13 versions

[PDF] ∗Agents in **object**-oriented software engineering

AF Garcia, CJP de Lucena, DD Cowan - Software: Practice and Experience, 2004 - wie.im.ufba.br
... The first limitation is that **object**-oriented abstractions are not able to modularize
agency concerns, Autonomy ... Autonomy **Collaboration** ... agency property **roles** ...
Cited by 76 - Related articles - View as HTML - Web Search - BL Direct - All 11 versions

[PDF] ∗**Role-based collaboration** and its kernel mechanisms

H Zhu, MC Zhou - IEEE Transactions on Systems, Man, and Cybernetics, Part C: ..., 2006 - nipissingu.ca
... **Object** principles are one of the major groups of principles in **role**-based **collaboration**.
Therefore, **object**-oriented technology is the first practical tool. ...
Cited by 31 - Related articles - View as HTML - Web Search - BL Direct - All 5 versions

Roles: Conceptual abstraction theory & practical language issues. Theory and Practice of **Object** ...- ∗kfupm.edu.sa [PDF]

BB Kristensen - ... Practice of **Object** Systems (TAPOS) on Subjectivity in **Object** ..., 1996 - eprints.kfupm.edu.sa
... The notion of a **role** of an **object** subsumes a set of proper- ties of the **object**. ... Whether
imposed or taken, we will say that the **object** plays the **role**. ...
Cited by 193 - Related articles - View as HTML - Web Search - All 9 versions

Roles of orientation in tabletop **collaboration**: Comprehension, coordination and communication- ∗ucalgary.ca [PDF]

R Kruger, S Carpendale, SD Scott, S Greenberg - Computer Supported Cooperative Work (CSCW), 2004 - Springer
... approach is wrong. It is this issue of **object** orientation and its **role** in
collaboration that is the focus of this paper. Our goal is ...
Cited by 39 - Related articles - Web Search - All 5 versions

Reconciling the needs of architectural description with **object**-modeling notations- ∗up.ac.za [PDF]

D Garlan, SW Cheng, AJ Kompanek - Science of Computer Programming, 2002 - Springer
... or connector can be captured as attributes of a class or **object**. ... Profile, in which
association endpoints are identified with **roles** in a **collaboration** [28]. ...
Cited by 152 - Related articles - Web Search - BL Direct - All 24 versions

Access control in collaborative systems

W Tolone, GJ Ahn, T Pai, SP Hong - ACM Computing Surveys, 2005 - portal.acm.org
... of identifying specific users playing a **role** on a team at any given moment, and
object context identifies specific **objects** re- quired for **collaboration** purposes ...
Cited by 72 - Related articles - Web Search - All 5 versions

Tailoring as **collaboration**: The mediating **role** of multiple representations and application units- ∗uni-siegen.de [PDF]

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... 75 Tailoring as **Collaboration**: The Mediating **Role** of ... TAILORING AS **COLLABORATION** ... shows
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Adaptive plug-and-play components for evolutionary software development- ∗neu.edu [PDF]

M Mezini, K Lieberherr - ... SIGPLAN conference on **Object**-oriented programming, systems, ..., 1998 - portal.acm.org
... collaborations be- tween **objects**, providing a linguistic construct for ex- pressing
design segments found in **collaboration**-based (**role**-based) designs [S, 28 ...
Cited by 211 - Related articles - Web Search - BL Direct - All 21 versions

[PDF] ∗**Role**= Interface: a merger of concepts

F Steimann - JOURNAL OF **OBJECT** ORIENTED PROGRAMMING, 2001 - citeseerx.ist.psu.edu
... 1 In other words, a classifier **role** allows any **object** to fill its place in a
collaboration no matter what class it is an instance of, if only this **object** ...
Cited by 61 - Related articles - View as HTML - Web Search - BL Direct - All 8 versions

Object-oriented frameworks and product-lines- •utexas.edu [PDF]

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... The part of an **object** that enforces the protocol of a **collaboration** is called
the **object's role** in that **collaboration** (Reenskaug et al. ...
Cited by 78 - Related articles - Web Search - BL Direct - All 13 versions

[BOOK] The first year of life: A psychoanalytic study of normal and deviant development of **object** relations

RA Spitz - 1965 - International Universities Press
Cited by 266 - Related articles - Web Search - Library Search

Implementing **collaboration**-based designs using aspect-orientedprogramming

E Pulvermuller, A Speck, A Rashid - Technology of **Object**-Oriented Languages and Systems, 2000. ..., 2000 - ieeexplore.ieee.org
... A **collaboration** is a co-operating collection of **roles**. An **object** can participate
in a **collaboration** if it supports the required **role**. ...
Cited by 19 - Related articles - Web Search - All 3 versions

Deictic roles of external representations in face-to-face and online **collaboration**- •psu.edu [PDF]

D Suthers, L Girardeau, C Hundhausen - Designing for change in networked learning environments, 2003 - books.google.com
... M DM c C H2 D5 D6 **Object** (s) D26 ... In face-to-face **collaboration**, deixis was accomplished
quite ... of the representations seemed to play this **role** most effectively ...
Cited by 36 - Related articles - Web Search - All 4 versions

[PDF] •UML for real-time overview

A Lyons - Objectime Ltd, 1998 - uml.org.cn
... **Collaboration** diagrams are used to describe the structural ... the outside world—it is
an **object** that implements a ... interfaces; each tailored to a specific **role**. ...
Cited by 70 - Related articles - View as HTML - Web Search - All 3 versions

Design of a policy-driven middleware for secure distributed **collaboration**- •psu.edu [PDF]

AR Tripathi, T Ahmed, R Kumar, S Jaman - Distributed Computing Systems, 2002. Proceedings. 22nd ..., 2002 - ieeexplore.ieee.org
... as **role** based security, **object** level access control, and event notification for
coordination. Finally, through these modules, the **collaboration** environment is ...
Cited by 24 - Related articles - Web Search - BL Direct - All 15 versions

[PDF] •The **role** of grounding in collaborative learning tasks

M Baker, T Hansen, R Joiner, D Traum - Collaborative learning: Cognitive and computational ..., 1999 - citeseerx.ist.psu.edu
... begin by discussing the elements of our **object** of study (grounding, **collaboration**,
learning) and ... work to achieve a perspective on the **role** of grounding ...
Cited by 183 - Related articles - View as HTML - Web Search - All 13 versions

Specification of secure distributed **collaboration** systems- •umn.edu [PDF]

AR Tripathi, T Ahmed, R Kumar - Autonomous Decentralized Systems, 2003. ISADS 2003. The ..., 2003 - ieeexplore.ieee.org
... user-user conflict, user-**role** conflict, **object** based sep- aration of duty, and
operational separation of duty. A spec- ification model for **collaboration** has to ...
Cited by 22 - Related articles - Web Search - All 10 versions

[PDF] •An editing-based characterization of the design space of collaborative applications

P Dewan, R Choudhary, H Shen - Journal of Organizational Computing, 1994 - citeseerx.ist.psu.edu
... com- mon **object** perception" level in Malone and Crowston's **collaboration**
hierarchy of coordination, group decision mak- ing ...
Cited by 49 - Related articles - View as HTML - Web Search - BL Direct - All 7 versions

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O Aldawud, T Elrad, A Bader - Proceedings of Third International Workshop on Aspect- ..., 2003 - citeseerx.ist.psu.edu
... of an association as used in the **collaboration**. ... with Preactivation and the association
end **role** can be ... statecharts [6] for the intra-**object** behavior modeling. ...
Cited by 78 - Related articles - View as HTML - Web Search - All 6 versions

Objects, contradictions and **collaboration** in medical cognition: an activity-theoretical perspective

Y Engeström - Artificial Intelligence in Medicine, 1995 - Elsevier
... analysis of clinical cognition: orientation to **objects** in cognition, **role** of
contradictions in cognition, and the importance of **collaboration** in cognition. ...
Cited by 60 - Related articles - Web Search - All 4 versions

[PDF] *Task-oriented **collaboration** with embodied agents in virtual worlds

J Rickel, WL Johnson - Embodied conversational agents, 2000 - isi.edu
... To support the needs of task-oriented **collaboration** and exploit the **roles** for nonverbal
communication outlined in ... Move to an **object**: To guide the ...
Cited by 116 - Related articles - View as HTML - Web Search - All 7 versions

Some issues of **role**-based **collaboration**- *nipissingu.ca [PDF]

H Zhu - Electrical and Computer Engineering, 2003. IEEE CCECE 2003. ..., 2003 - ieeexplore.ieee.org
... In summary, in a **role**-based collaborative system, there are ... An **object** is used to
express evewing in a ... user is a person who is participating in **collaboration**. ...
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A policy based **role object** model- *psu.edu [PDF]

E Lupu, M Sloman - Enterprise Distributed **Object** Computing Workshop [1997]. ..., 1997 - ieeexplore.ieee.org
... to ordering of activities regarding **role** interactions. ... subject" to refer to an **object**
representing ... degree of inter-personnel **collaboration** and standardised ...
Cited by 95 - Related articles - Web Search - All 14 versions

A conceptual foundation of the thinkLet concept for **Collaboration** Engineering

GL Kolfschoten, RO Briggs, GJ De Vreede, PHM ... - International Journal of Human-Computer Studies, 2006 - Elsevier
... **Object** orientation 3.2. The ThinkLet class diagram 3.2.1. **Collaboration** process
3.2.2. Participant 3.2.3 ... 5. Action 3.2.6. Rule 3.2.7. Parameter 3.2.8. **Role** 3.2.9 ...
Cited by 23 - Related articles - Web Search - All 4 versions

A radical revision of UML's **role** concept- *fernuni-hagen.de [PDF]

F Steimann - Lecture notes in computer science, 2000 - Springer
... Finally the **collaboration roles**. ... which is still predominating in the **object**-oriented
world ... Thus, only one base classi- fier is listed with each classifier **role**. ...
Cited by 58 - Related articles - Web Search - PL Direct - All 10 versions

[PDF] *Working with objects: the OOram software engineering method

T Reenskaug, P Wold, OA Lehne - 1996 - folk.uio.no
... In our simple example, one **object** will play the **role** of dining room, another
the **role** of kitchen, etc. ... An **object** can play several **roles**. ...
Cited by 343 - Related articles - View as HTML - Web Search - Library Search - All 4 versions

[PDF] *Learning **object** evaluation: computer-mediated **collaboration** and inter-rater reliability

J Vargo, JC Nesbit, K Belfer, A Archambault - International Journal of Computers and Applications, 2003 - elera.net
... COMPUTER-MEDIATED **COLLABORATION** ... of learning **objects** and repositories, and their **role**
in Web ... infor- mation revolution has spawned the learning **object**, the cyber ...
Cited by 73 - Related articles - View as HTML - Web Search - PL Direct - All 7 versions

Team-based access control (TMAC): a primitive for applying role-based access controls in ...

RK Thomas - ... of the second ACM workshop on Role-based access control, 1997 - portal.acm.org

... A special **role** called team head (h), where hc TR ... A **collaboration** context that consists of the following two components ... where UC : TR x TU + An **object** context (OC ...

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Dynamically composable collaborations with delegation layers- *tu-darmstadt.de [PDF]

K Ostermann - Lecture Notes in Computer Science, 2002 - Springer

... In the early days of **object**-oriented programming there has been a general ... has developed a great deal of models related to **collaboration**- or **role**-model based ...

Cited by 66 - Related articles - Web Search - BL Direct - All 18 versions

Agent role-based collaboration and coordination: a survey about existing approaches- *unimo.it [PDF]

G Cabri, L Ferrari, L Leonardi - 2004 IEEE International Conference on Systems, Man and ..., 2004 - ieeexplore.ieee.org

... several approaches related to agent **collaboration** and coordination ... have been already exploited in **Object** Oriented approaches, where a **role** is defined ...

Cited by 24 - Related articles - Web Search - All 9 versions

Improving the quality of business object models using collaboration patterns

N Bolloju - Communications of the ACM, 2004 - portal.acm.org

... that problem in its original **object** model by ... former team tried to represent **collaboration** between Location ... represent a Supplier-Item (**role**-thing) **collaboration** ...

Cited by 11 - Related articles - Web Search - BL Direct - All 3 versions

Roles for composite objects in object-oriented analysis and design- *wdfiles.com [PDF]

F Civello - ... annual conference on Object-oriented programming systems, ..., 1993 - portal.acm.org

... emphasize their essential **role** in the association. We call the whole **object** an assembl\, although no physical existence is implied. ...

Cited by 77 - Related articles - Web Search - Library Search - BL Direct - All 3 versions

Strategy for collaboration in robot soccer- *massey.ac.nz [PDF]

HL Sng, G Messom, CHS Polytech - Electronic Design, Test and Applications, 2002. Proceedings. ..., 2002 - ieeexplore.ieee.org

... used, see equation 4. If there is an **object** which is ... order among the robots to the **role** of "attack ... The **collaboration** between players is achieved through the ...

Cited by 29 - Related articles - Web Search - All 6 versions

Virtual object manipulation on a table-top AR environment- *washington.edu [PDF]

H Kato, M Billinghurst, I Poupyrev, K Imamoto, K ... - IEEE and ACM International Symposium on Augmented Reality, ..., 2000 - ieeexplore.ieee.org

... a different viewpoint into the model, just as if they were seeing a real **object**. ... each other and the real world, ensuring a very natural **collaboration** and flow ...

Cited by 301 - Related articles - Web Search - All 15 versions

HL7 version 3—An object-oriented methodology for collaborative standards development- *mums.ac.ir [PDF]

GW Beeler - International Journal of Medical Informatics, 1998 - Elsevier

... set of interactions where the **role** has the ... suitable for communication with **object** middleware (such ... Features of Version 3 that favor international **collaboration**. ...

Cited by 69 - Related articles - Web Search - BL Direct - All 7 versions

Collaborative augmented reality- *washington.edu [PDF]

M Billinghurst, H Kato - Communications of the ACM, 2002 - portal.acm.org

... In many cases, the surrounding physical world and **objects** also play an important **role**, particularly in design and spatial **collaboration** tasks. ...

Cited by 95 - Related articles - Web Search - BL Direct - All 22 versions

Strengthening UML **collaboration** diagrams by state transformations- *uni-paderborn.de* [PDF]

R Heckel, S Sauer - Lecture notes in computer science, 2001 - Springer

... type-compatible, ie, if a classifier **role** is mapped ... In our **collaboration** diagrams, this concept of graphical ... used to express visual queries on **object** structures ...

Cited by 14 - Related articles - Web Search - PL Direct - All 21 versions

Object-oriented conceptual modeling for commitment-based **collaboration** management in virtual ...

J Lin, T Lin - Information and Software Technology, 2004 - Elsevier

... paper, we propose an **object**-oriented modeling ... those required mechanisms for **collaboration** management into three layers: commitment, **role**, and activity ones ...

Cited by 10 - Related articles - Web Search - All 2 versions

Access control for collaborative environments- *serc.net* [PDF]

HH Shen, P Dewan - Proceedings of the 1992 ACM conference on Computer-supported ..., 1992 - portal.acm.org

... **roles** simultane- ously and change these **roles** dynamically during ... users should be protected by **collaboration** rights. ... access right of each user on each **object**. ...

Cited by 258 - Related articles - Web Search - All 19 versions

A flexible **object** merging framework- *psu.edu* [PDF]

JP Munson, P Dewan - Proceedings of the 1994 ACM conference on Computer supported ..., 1994 - portal.acm.org

... Merging is primarily useful where the coupling between views, or versions, of an **object** allow asynchronous **collaboration**. Concurrent ...

Cited by 103 - Related articles - Web Search - All 14 versions

Associations: abstractions over **collaboration**- *sdu.dk* [PDF]

BB Kristensen - IEEE International Conference on Systems, Man and ..., 2003 - ieeexplore.ieee.org

... Abstractions over certain aspects of an **object**-as for example the **collaboration** of the **object** with other **objects** or the **objects**' **role** towards other ohjects ...

Cited by 9 - Related articles - Web Search - PL Direct - All 3 versions

One-hundred days in an activity-centric **collaboration** environment based on shared objects- *psu.edu* [PDF]

MJ Muller, W Geyer, B Brownholtz, E Wilcox, DR ... - Proceedings of the SIGCHI conference on Human factors in ..., 2004 - portal.acm.org

... **Collaboration** in these "shared email solutions" is entirely ... Threads However, these analyses of **objects** have been ... can obscure the important **role** played by ...

Cited by 50 - Related articles - Web Search - All 7 versions

Towards a UML based approach to **role** engineering- *profsandhu.com* [PDF]

P Epstein, R Sandhu - ... of the fourth ACM workshop on **Role**-based access control, 1999 - portal.acm.org

... RBAC model components that require **Role** Engineering can ... that can document the system: Class, **Object**, Use Case, Sequence, **Collaboration**, Statechart, Activity ...

Cited by 61 - Related articles - Web Search - All 8 versions

Inter-enterprise **collaboration** management in dynamic business networks

L Kutvonen, J Metso, T Ruokolainen - Lecture notes in computer science, 2005 - Springer

... business network models associate **roles** with required ... The resulting eCommunity contract **object** is an ... shared storage of business **collaboration** information that ...

Cited by 22 - Related articles - Web Search - PL Direct - All 2 versions

Leveraging single-user applications for multi-user **collaboration**: the coword approach- *unice.fr* [PDF]

S Xia, D Sun, C Sun, D Chen, H Shen - Proceedings of the 2004 ACM conference on Computer supported ..., 2004 - portal.acm.org

... capabilities and plays a central **role** in adapting ... manipulate various types of data **object** transparently ... The **Collaboration** Policy (CP) module is responsible for ...

Cited by 61 - Related articles - Web Search - All 5 versions

Representing agent interaction protocols in UML- •kfupm.edu.sa [PDF]

J Odell, H Van Dyke Parunak, B Bauer - Lecture Notes in Computer Science, 2001 - Springer
... leveraging UML's existing name/**role**:class syntax in conjunction with **collaboration**
diagrams ... In the eighties, **object**-oriented (OO) languages experienced ...
Cited by 355 - Related articles - Web Search - BL Direct - All 32 versions

[PDF] •Concordia: An infrastructure for collaborating mobile agents

D Wong, N Paciorek, T Walsh, J DiCelie, M Young, B ... - Lecture Notes in Computer Science, 1997 - merl.com
... each agent "arrive" at the **collaboration** point (by invoking the collaborate method
on the AgentGroup distributed **object**) before **collaboration** may commence. ...
Cited by 251 - Related articles - View as HTML - Web Search - BL Direct - All 3 versions

[PDF] •Role-based access control (RBAC): Features and motivations

D Ferraiolo, J Cugini, DR Kuhn - Proceedings of 11th Annual Computer Security Application ..., 1995 - csrc.nist.gov
... requested for execution, and/or the **object** which is ... for the subject's proposed active
role is provided by ... that fraud can occur if **collaboration** exists between ...
Cited by 442 - Related articles - Web Search - All 18 versions

Quilt: a collaborative tool for cooperative writing

RS Fish, RE Kraut, MDP Leland - ACM SIGOIS Bulletin, 1988 - portal.acm.org
... sees indications of those annotations that his **role** permits him ... of the types defined
in the **collaboration** style ... Each Link **Object** also has attributes for the two ...
Cited by 173 - Related articles - Web Search - All 2 versions

Uml **collaboration** diagrams and their transformation to java- •uni-paderborn.de [PDF]

G Engels, R Hücking, S Sauer, A Wagner - Lecture notes in computer science, 1999 - Springer
... with the **role** name sender is bent, now connecting ClassifierRole and **Collaboration**:
The sender for messages within this **collaboration** is the target **object** on ...
Cited by 26 - Related articles - Web Search - BL Direct - All 11 versions

[PDF] •Haptic **collaboration** over the internet

JP Hespanha, M McLaughlin, GS Sukhatme, M Akbarian ... - Fifth Phantom Users Group Workshop, Aspen, CO, 2000 - andrew.cmu.edu
... databases: the node and the **object** databases. ... the necessary entities to achieve
networked **collaboration** with disparate ... and MA Srinivasan, "The **Role** of Haptic ...
Cited by 50 - Related articles - View as HTML - Web Search - All 9 versions

Separation of concerns in multi-agent systems: An empirical study- •ufba.br [PS]

A Garcia, C Sant Anna, C Chavez, VT da Silva, CJP ... - Lecture notes in computer science, 2004 - Springer
... such as agent types, autonomy, adaptation, **collaboration**, and **roles**. Many MAS concerns
are different from classical concerns addressed in **object**-oriented (OO ...
Cited by 55 - Related articles - Web Search - BL Direct - All 11 versions

[BOOK] Testing **object**-oriented systems: models, patterns, and tools

R Binder - 1999 - books.google.com
... Element Properties 274 8.2.2 **Object** Constraint Language ... 8.7 Statechart Diagram 297
8.8 **Collaboration** Diagram 297 8.8 ... Testing 317 9.1.1 The **Role** of Responsibility ...
Cited by 926 - Related articles - Web Search - Library Search - All 4 versions

How people use orientation on tables: comprehension, coordination and communication- •ucalgary.ca [PDF]

R Kruger, S Carpendale, SD Scott, S Greenberg - Proceedings of the 2003 international ACM SIGGROUP ..., 2003 - portal.acm.org
... it altogether. It is this issue of **object** orientation and its **role** in
collaboration that is the focus of this paper. Our goal is ...
Cited by 70 - Related articles - Web Search - All 8 versions

... modeling and content analysis to investigate computer-supported collaboration in small groups- *ou.nl* [PDF]

JW Stribos, RL Martens, WMG Jochems, NJ Broers - Small Group Research, 2004 - sgr.sagepub.com

... collaboration willbeinvestigated,aswell as the suggestion by Mudrack and Farrell
(1995) that individual and group perception will be more unanimous in the **role ...**

Cited by 49 - Related articles - Web Search - RL Direct - All 9 versions

Supporting activity-centric collaboration through peer-to-peer shared objects- *ibm.com* [PDF]

W Geyer, J Vogel, LT Cheng, M Muller - portal.acm.org

... Under the unlikely event that a new peer late-joins an ongoing **collaboration** on
a shared **object**, obtains the current state, and issues a state change **...**

Cited by 46 - Related articles - Web Search - All 14 versions

Collaboration on reference to objects that are not mutually known- *upenn.edu* [PDF]

PG Edmonds - portal.acm.org

... It then switches **roles** to become the speakel, and **...** it updates the state of the
collaboration, presupposing that **...** con- tent uniquely describes an **object** that he **...**

Cited by 13 - Related articles - Web Search - All 22 versions

[PDF] *Overview of human-computer **collaboration**

LG Terveen - Knowledge Based Systems, 1995 - citeseerx.ist.psu.edu

... discusses the use of dierent **collaboration** modes { assignments of **roles** and
responsibilities **...** might choose shorter or longer **object** descriptions and **...**

Cited by 92 - Related articles - View as HTML - Web Search - All 5 versions

Modeling collaboration using shared objects- *uclm.es* [PDF]

C Schuckmann, J Schümmer, P Seitz - Proceedings of the international ACM SIGGROUP conference on ..., 1999 - portal.acm.org

... the responsibility of the underlying shared **object** service **...** of the collaborating team,
different **collaboration** modes might **...** for groups or a user-**role** modeling is **...**

Cited by 34 - Related articles - Web Search - All 14 versions

UML-F: A modeling language for object-oriented frameworks- *tu-muenchen.de* [PDF]

M Fontoura, W Pree, B Rumpe - Lecture Notes in Computer Science, 2000 - Springer

... UML-F: A Modeling Language for **Object**-Oriented Frameworks 73 **...** class, SimpleSelect,
which is marked by the {c-hook} tag to indicate that it plays the **role** of a **...**

Cited by 63 - Related articles - Web Search - RL Direct - All 32 versions

Role model designs and implementations with aspect-oriented programming- *umassd.edu* [PDF]

EA Kendall - ... SIGPLAN conference on Object-oriented programming, systems, ..., 1999 - portal.acm.org

... a **role**, and an arrow depicts a **collaboration** path between **...** 1261 During design, the
roles in a **role** model are **...** to **objects** in an application; an **object** plays or **...**

Cited by 135 - Related articles - Web Search - RL Direct - All 7 versions

Issues in the design of computer support for co-authoring and commenting- *washington.edu* [PDF]

CM Neuwirth, DS Kaufer, R Chandhok, JH Morris - Proceedings of the 1990 ACM conference on Computer-supported ..., 1990 - portal.acm.org

... It is then possible in Quilt to specify which **roles** can perform which actions on
the various **objects**. Quilt further defines three **collaboration** types: exclusive **...**

Cited by 243 - Related articles - Web Search - All 6 versions

Collaboration in a virtual world: support for conceptual learning?

P Brna, R Aspin - Education and Information Technologies, 1998 - Springer

... Additionally, the elasticity of each **object**, and the friction between each ball
and the ground can be **... Collaboration** and learning: **Role** playing in **...**

Cited by 22 - Related articles - Web Search - Library Search - All 2 versions

[PDF] Design of collaboration-support tools for group problem solving

C Fidas, V Komis, NM Avouris - Proceedings PC HCI, 2001 - modellingspace.atosorigin.es

... semantic diagrams that play an important **role** in collaborative ... In figure 1, the
collaboration space is shown ... two sides, the libraries of **objects** and libraries ...

Cited by 20 - Related articles - View as HTML - Web Search - All 2 versions

Making space for voice: Technologies to support children's fantasy and storytelling- psu.edu [PDF]

J Cassell, K Ryokai - Personal and Ubiquitous Computing, 2001 - Springer

... mode where the computer plays the **role** of an ... animal is the fantasy imaginative **object**
that becomes ... The **collaboration** between child, computer and stuffed animal ...

Cited by 84 - Related articles - Web Search - BL Direct - All 6 versions

[PDF] ... systems as complex networks: Structure, function, and evolvability of software collaboration graphs

CR Myers - PHYSICAL REVIEW E Phys Rev E, 2003 - tc.cornell.edu

... This work addresses static class **collaboration** graphs arising in OO ... and their interac-
tions plays a central **role**. ... An **object** rep- resenting a vector field, for ...

Cited by 71 - Related articles - View as HTML - Web Search - All 7 versions

[PS] Studierstube-an environment for collaboration in augmented reality

D Schmalstieg, A Fuhrmann, Z Szalavari, M Gervautz - CVE'96 Workshop Proceedings, 1996 - cg.tuwien.ac.at

Page 1. "Studierstube" – An Environment For **Collaboration** in Augmented Reality ...
therefore easily possible for a work group to discuss the viewed **object**. ...

Cited by 88 - Related articles - View as HTML - Web Search - All 4 versions

Tangible interfaces for remote collaboration and communication- nus.edu.sg [PDF]

S Brave, H Ishii, A Dahley - Proceedings of the 1998 ACM conference on Computer supported ..., 1998 - portal.acm.org

... also plays an important **role** in interpersonal ... called Synchronized Distributed Physical
Objects which enables ... real- time remote **collaboration** and communication ...

Cited by 181 - Related articles - Web Search - All 18 versions

Context-dependent access control for web-based collaboration environments with role-based approach- psu.edu [PDF]

R Wolf, M Schneider - Lecture notes in computer science, 2003 - Springer

... operation on a specific **object**, the requested ... access control for **collaboration** environ-
mentsusingtheRBACapproach ... 4.1 introduces a sample **role** hierarchy for a ...

Cited by 5 - Related articles - Web Search - BL Direct - All 9 versions

Java's role in distributed collaboration

M Chen, J Cowie - Concurrency: Practice and Experience, 1997 - interscience.wiley.com

... The test and validation **role** forms another primary task within the **collaboration**;
success or ... At all times, control over source and **object** code remains ...

Cited by 11 - Related articles - Web Search - BL Direct - All 5 versions

Assessing the value of a cursor pointing device for remote collaboration on physical tasks- cmu.edu [PDF]

SR Fussell, LD Setlock, EM Parker, J Yang - portal.acm.org

... referent identification by participant **role** and media ... in three phrases: identifying
objects/locations, explaining ... benefits for remote **collaboration** on physical ...

Cited by 20 - Related articles - Web Search - All 10 versions

Gestures over video streams to support remote collaboration on physical tasks- cmu.edu [PDF]

SR Fussell, LD Setlock, J Yang, J Ou, E Mauer, ADI ... - Human-Computer Interaction, 2004 - portal.acm.org

... Such tasks play an important **role** in many ... Observational studies of physical
collaboration suggest that ... the identifica- tion of target **objects**, descriptions of ...

Cited by 45 - Related articles - Web Search - BL Direct - All 11 versions

Capturing dynamic program behaviour with UML **collaboration** diagrams- •psu.edu [PDF]

R Kollmann, M Gogolla · Software Maintenance and Reengineering, 2001. Fifth European ..., 2001 - ieeexplore.ieee.org

... For each **object**, the **collaboration** con- text is shown and also, the methods called at other **objects** are displayed in temporal order of their invocation. **...**

Cited by 32 - Related articles - Web Search - All 11 versions

[PDF] •Extending UML for agents

J Odell, HVD Parunak, B Bauer - Ann Arbor - ajcastro.com

... design mechanisms for agents and for **objects** is shared by **...** with strong links to UML's **collaboration** diagrams, as **...** an agent playing a specific **role** (as distinct **...**

Cited by 459 - Related articles - View as HTML - Web Search - All 29 versions

Key authors: **P Dourish** - **V Bellotti** - **Y Smaragdakis** - **B Selic** - **D Batory**

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